

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: THIBEAULT, BRIAN et al.

Serial No. 10/665,595

Group Art Unit:

Filed: September 17, 2003

Examiner:

Title: ENHANCED LIGHT EXTRACTION IN LEDS THROUGH THE USE OF
INTERNAL AND EXTERNAL OPTICAL ELEMENTSCommissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Sir:

This certification is being made for the Supplemental Information Disclosure Statement accompanying this certification. Applicants submit a copy of each of the references listed on the attached PTO-1449 (Modified) form for consideration by the Examiner.

I, the person signing below certify that:

(a) each item of information contained in the supplemental information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the supplemental information disclosure statement (37 C.F.R. § 1.97(e)(1)); or

(b) no item of information contained in the supplemental information disclosure statement, to the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual designated in § 1.56(c) more than three months prior to the filing of the statement. 37 C.F.R. § 1.97(e)(2).

This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that each or all of the listed documents are material or constitute "prior art". If the Examiner applies any of the documents as prior art against any claim in the application and applicants determine that the cited documents do not constitute "prior art" under United States law, applicants reserve the right to present to the

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on

2/20/04
Date

Marianne Middleton
Marianne Middleton

Office the relevant facts and law regarding the appropriate status of such documents.

Respectfully submitted,



Jaye G. Heybl
Registration No. 42,661
Attorney for Applicant

February 20, 2004

KOPPEL, JACOBS, PATRICK & HEYBL
555 St. Charles Drive, Suite 107
Thousand Oaks, California 91360
(805) 373-0060

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on.

Date

Marianne Middleton

FORM PTO-1449 (Modified) INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)	Docket No. P0147US2	Application Number 10/665,595
	Applicant THIBEAULT, BRIAN et al.	
	Filing Date 9/17/2003	Group Art Unit

U.S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

	Document Number							Date	Country	Class	Subclass	Translation	
	Yes	No											

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	1	A. KOCK AND E. GORNICK, <u>STRONGLY DIRECTIONAL EMISSION FROM AlGaAs/GaAs LIGHT-EMITTING DIODES</u> , Applied Physics Letters 57, pp. 2327-2329 (1990)
	2	KRAMES et al., <u>HIGH POWER TRUNCATED INVERTED PYRAMID (Al_{0.5}Ga_{0.5})_{0.5}In_{0.5}P/GaP LIGHT-EMITTING DIODES EXHIBITING >50% EXTERNAL QUANTUM EFFICIENCY</u> , Applied Physics Letters 75, pp. 2365-2367 (1999)
	3	SCHNITZER et al., <u>ULTRAHIGH SPONTANEOUS EMISSION QUANTUM EFFICIENCY, 99.7% INTERNALLY AND 72% EXTERNALLY, FROM AlGaAs/GaAs/AlGaAs DOUBLE HETEROSTRUCTURES</u> , Applied Physics Letters 62, pp. 131-133 (1993)
Examiner		Date Considered
<p>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>		